E-Series Management Software User's Manual

Version 1.10.0

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Welcome

Thank you for using our E-Series Management Software(EMS)! This user's manual is designed to be a reference tool for operation of your system. Here you can find detailed operation information about EMS.

1 Overview and Environment

1.1 Overview

EMS is an abbreviation for E-Series Management Software.

The software is to manage small quantity security surveillance devices. It releases with the device and does not support the products from other manufacturers. It has the following features:

- View real-time video of several camera channels.
- View the playback video files from various cameras.
- Support multiple scheduled arms to realize auto PC guard.
- Support e-map; you can clearly view and manage all device locations.
- Support extension applications, can send out alarm information to external programs.

1.2 Performance

- System max supports 36-channel at CIF resolution.
- Each stream media server max receives 16-channel video and transfers 128-chanel video.
- Each storage server max supports to save 16-channel video (no bit stream limit).

1.3 Environments

Item	Requirements
OS	Windows XP/Windows 7/ Windows 8
CPU	2.4GHz or higher.
Display card	Independent car and support directX 8.0c or higher.
Memory	1GB or higher.
Displayer Resolution	1024×768 or higher.

2 Installation and Upgrade

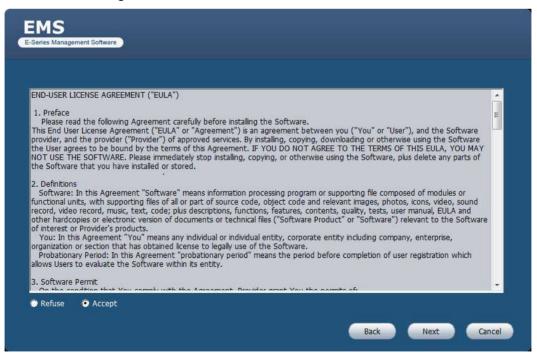
2.1 Installation

1) Double click "EMS_Setup.exe" to begin installation. See Figure 2-1.



Figure 2-1

 Click next button, you can see an interface is shown as in Figure 2-2. Here you can view End User License Agreement.





3) Please check the Accept item and then click Next button to continue. System pops up

module installation dialogue box. See Figure 2-3.

EMS E-Series Manag	ement Software	
	Please select the functions to install. Click [Next] to co	you want to install. Delete the modules you do not want intinue. EMS is management software to manage the embedded network surveillance devices. It is suitable for devices such as embedded NVR, network camera. It supports real-time preview, remote playback and export, E-map, alarm message receive and activation, remote device parameter setup and etc.
	Need Space(unit as MB): 4	471978 Back Next Cancel

Figure 2-3

4) Check EMS item and then click Next button, you can see there is an interface asking you to specify installation path. See Figure 2-4.

E-Series Management Software
Click Install to continue. Click [Browse] to install in different folders.
Destination Folder C:/Program Flas/E-Series Management Software# E:/Owere
An older version is detected under this path. To update and replace, please continue. If you want to change the path, please remove the old one first. Please note: backup configuration files before removing if you need them.
The free space of C is 78548MB
Back Install Cancel

Figure 2-4

5) After you select installation path click Next button, system begins installation. The interface is shown as in Figure 2-5.

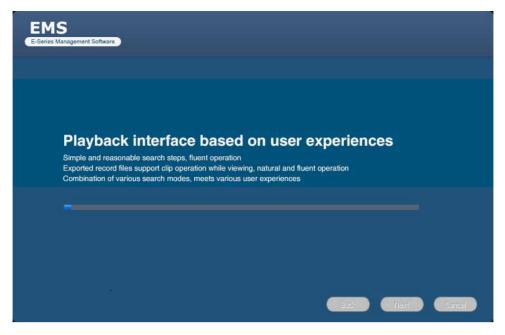


Figure 2-5

6) During the installation process, you can click Cancel button to exit. After installation, you can see an interface is shown as below. See Figure 2-6.

EMS E-Series Management Software	
Install Success	
TRUN EMS	
	Finish

Figure 2-6

7) Click Finish button, you can complete the installation.

2.2 Un-installation

1) From Start -> All programs->EMS, select Uninstall EMS item. System pops up the following dialogue box. See Figure 2-7.



Figure 2-7

- 2) Click Next button, you can see an interface shown as in Figure 2-8.
- 3) Check the box here to remove EMS. Click Uninstall button to remove.

EMS E-Series Management Software		
	Please choose the components that you want to uninstall,Delete the modules you do not want to install.Click [Uninstall] to continue.	
t.	EMS	
		Uninstall Cancel

Figure 2-8

3 Setting



EMS you can go to the login interface.

3.1 Login Interface

Login interface is shown as in Figure 3-1.

- User name: Input the user account
- Password: Please input corresponding password to log in.
- OK: Click this button, system can verify the account and then enter the software main interface.
- Cancel: Click this button to exit login interface.

Note:

- If it is your first time to run the EMS program, default user name is **ADMIN** and its password is **12345** too. Admin is a super administrator and cannot be removed. It can add, modify or delete other user.
- For security reason, please modify your password after first log in.
- You can memory your password, so that when you can log in the next time, you do not need to input user name and password. Please note this function is for your convenient only. **Do not** enable this function in public PC.

E-Series Management Software		
User Name:	ADMIN	
Password:		
	Remember Password	
	Login Exit	

Figure 3-1

3.2 Main Interface

Click Login button, system begins verifying user name and password and then go to the main interface. See Figure 3-2.

1-	EMS E-Series Management Software	HOME PAGE	+ ADD		A # - 1	5 ×
2-	BASIC LIVEVIEW	PLAYBACK	ALARM	LOG	13:55:14 2014-08-26 Jser Name: ADMIN .ogin Time: 13:53 2014-08-26	-5
3-	ADVANCED					
4-	SETTINGS	DEVICE CFG	ALARM CFG	TOUR & TASK	GENERAL	



SN	Parameter	Function
1	Menu	Here you can view main page icons and current open function icon. Click add button to add a function icon on the top pane.
2	Basic	It includes preview, playback, alarm manager, and log.
3	Advanced	It includes e-map.
4	Settings	It includes devices manager, signals manager, alarm setup, tour and task, account, general setup and etc.
5	EMS basic information	It is to display current time, user information, login time.

3.3 General

If it is your first time to login the EMS, you need to set system parameter. It includes network performance, log save time, login EMS or not, picture and record saved path. Please follow the steps listed below.



button; you can go to the general interface. See Figure 3-3.

3.3.1 Basic

It is to set capability, language, time and etc.

EMS E-Series Management Software		AL ADD	A = D ×
🏶 Basic		eters such as log saved time, inst guage and time setup.	ant playback time, network capability and etc. System needs to
Alarm Prompt	Log Saved Time	30D ays	
E Version	Instant Playback Time Network Capability	5Min	
	Serial Port	COM1	(Serial port for keyboard)
		✓ Auto login EMS	
	User Name	Auto login Windows	l.
	Password		
	Language	English	(Activated after restart) Sync Now
	Time Format	24-Hour	(Activated after restart)
			Default Save

Figure 3-3

ltem	Function
Log Saved Time	Here you can set log save time. System automatically overwrites old files once it reaches the period you set here.
Instant Playback Time	It is to set instant playback time.
Network capability	It is for you to set your device's network function. It includes :"Low", "10M", "100M","1000M".
Resume Previous State	System restores previous preview status after it restarts.
Auto Login EMS	Check the box here, you can login EMS directly without inputting user name and password.
Auto Login Windows	Check the box here and then input user name and password, you can go to the Windows OS after the computer restarts.
Language	Software language.
Sync time	Check the box here to enable time synchronization function and then input synchronization time. EMS can auto synchronize time with the PC at the time you specified.
	Click Sync now button to begin synchronization now.

Item	Function
Time format	System time format. It includes 12H/24H.

3.3.2 File Path

File configuration interface is shown as below. See Figure 3-4.

Here you can set snapshot picture and record file default save path.

Configuration file path: It is to import or export configuration file. If you change path to D disk, you can export current software user information to D disk. If current software has installed at the D disk, you can import user information to current software.

EMS E-Series Management Software	HOME PAGE GE	ADD	2 a - 5 X
🔅 Basic			
Pile	Set EMS file path	(such as snapshot, record, user configuration and etc.)	
Alarm Prompt	Snapshot Path	C:/Program Files/E-Series Management Software/EMS/Captu	
Version	Record Path Config Path	C:/Program Files/E-Series Management Software/EMS/Recore C:/Program Files/E-Series Management Software/EMS	Browse
			ified directory.
			Default Save

Figure 3-4

3.3.3 Alarm Prompt

It is to set alarm prompt audio. The interface is shown as below. See Figure 3-5.

Please select corresponding prompt audio for the specified alarm type.

Check the box at the bottom of the interface to enable e-map function. The e-map can flash when the corresponding alarm occurs.

🔅 Basic	Set EMS global al	arm audio and trigger map alarm flash function or not.		
Eile.		86°		
🛆 Alarm Prompt (Link Video Type	Main Stre V		
Version		🗹 Open Audio 📄 Loop Play		
Version	Camera Masking	-Series Management Software/EMS/sound/en/video shelter.wav	Browse	
	Motion Detect	-Series Management Software/EMS/sound/en/motion detect.wav	Browse	
	Video Loss	s/E-Series Management Software/EMS/sound/en/video lost.wav	Browse	
	Disk Full	les/E-Series Management Software/EMS/sound/en/disk full.wav	Browse	
	Disk Error	s/E-Series Management Software/EMS/sound/en/disk fault.wav	Browse	
	External	eries Management Software/EMS/sound/en/external alarm.wav	Browse	
		E-Map flashes when an alarm occurs		

Figure 3-5

Tips

You can click Default button to restore factory default setup.

3.3.4 Version

Click the version button; you can go to the following interface. See Figure 3-6. Here you can view software version information.

EMS E-Series Management Software	HOME PAGE GENERAL ADD	1 a - m x
· Easic		
Tile	EMS	
Alarm Prompt	E-Series Management Software Version No.: 1.10.1	
Version	Built Date: 2014-08-21	

Figure 3-6

3.4 Account

Here you can add, modify or delete a user.

3.4.1 Add role

Click in the Settings pane, and then click role button, you can go to the following interface. See Figure 3-7.

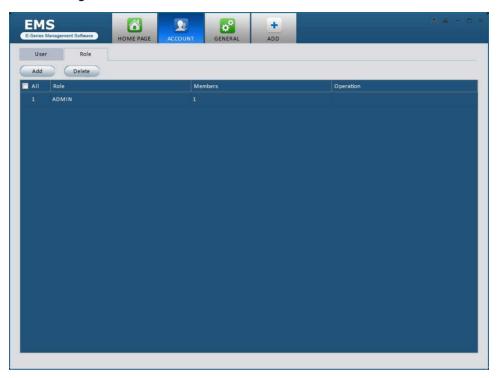


Figure 3-7

2) Click Add button, the interface is shown as in Figure 3-8.

Channel Rights			
hannal Rights			
Liveview Playback Ptz Menu Rights Liveview Playback Alarm Log Video Wall E-Map Display	Channel Rights	nput search criteria	
	Ptz Menu Rights Liveview Playback Alarm Log Video Wall E-Map Display	Ptz Menu Rights Liveview Playback Alarm Log Video Wall E-Map Display	Playback Ptz Menu Rights Liveview Playback Alarm Log Video Wall E-Map Display

Figure 3-8

- 3) Please input a role name and check the corresponding role rights. You can input some reference information if necessary.
- 4) Click Save button.

Tips

Select a role and then click Modify/Delete button to modify or delete a role.

3.4.2 Add user

1) Click in the Settings pane, and then click user button, you can go to the following interface. See Figure 3-9.

EM E-Series	S Management Software		T GENERAL	+ ADD	A = -	m ×
Use	r Role					
Add	Delete					
🗖 All	Name	Role	Rem	narks	Operation	
1	ADMIN	ADMIN	adm	iin user		
•						Ð

Figure 3-9

2) Click Add button, you can see system pops up the following interface. See Figure 3-10.



Figure 3-10

- 3) Select a role from the dropdown list, input user name, password and confirm password. Input some description information if necessary. Select rights for the new user.
- 4) Click Save button to add a new user.

ltem	Function
User name	Please input user name here.
Role	You can select user role from the dropdown list. Or you can click Add role button to add a new role.
Password	Please set user password.
Confirm password	Please input new password again.
Remarks	You can input some description information here if necessary.
User Rights	Here you can check the box to select corresponding rights for current user.
Channel Rights	Check the box here to select channel rights for current user.

Tips

Select a user name and then click Modify/Delete button to modify or delete a user.

5) Click Save button to add a new user.

3.5 Device Manager

Here you can add, modify and delete a device.

3.5.1 Add Device

You can refer to the steps listed below to add, modify or delete a device manually or automatically.



1) Click icon in the settings pane, system goes to the device manager interface; you can see an interface is shown as in Figure 3-11.

Refresh Add Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation									
Refresh Add I Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation	All	IP	📕 Туре		Mac		Port		
Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation	1	192.168.0.250	K-NL308K/		90:02:a9:b9):5d:fd			
I Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation									
I Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation									
I Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation									
I Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation									
I Devices:1 Online:1 All Name Type IP/Domain Name Port Channel No. State SN Operation									
All Name Type IP/Domain Name Port Channel No. State SN Operation	Refresh	Add							
All Name Type IP/Domain Name Port Channel No. State SN Operation									
	l Devices	::1 Online:1							
1 🔤 192.168.0.250 NVR 192.168.0.250 37777 8/0/4/2 📃 Online YPA4AQ022W000 🖉 🗮 🗶	All		Туре	IP/Domain Name	Port	Channel No.	State	SN	Operation
	1	a 192.168.0.250	VVR	192.168.0.250		8/0/4/2	🔲 Online	YPA4AQ022W000	

Figure 3-11

Click Manual Add button, the interface is shown as in Figure 3-12. Please input the corresponding information and then click Add button.

	Manual Add	i.
Input Info		
Device Name:		
Register Mode:	IP/Domain	
IP/Domain Name:	()	
Port:	37777	
Туре:	IPC 💌	
Group Name:	Default Group	
User <mark>Name:</mark>	i	
Password:		
	Get Info	
Device Details		
Device SN:		
Video Input:		
Video Output:		
Alarm Input:	l	
Alarm Output:	i	
	(Save and Continue) Add C	ancel

Figure 3-12

ltem	Function
Device name	Please input a device name here.
IP/Domain name	Device IP address or domain name.
Port	Device IP port.
Туре	Select a device type from the dropdown list.
Group name	It defined by the device name.
User name	The user name you login the device.
Password	The password you login the device.
Get info	It is to get the online device information automatically.
Device SN	Device SN. Read-only.
Video input	Device video input channel amount.
Video output	Device video output channel amount.
Alarm input	Device alarm input channel amount.
Alarm output	Device alarm output channel amount.
Save and Continue	Click it to save current setup and then add more devices.
Add	Click it to save setup and then exit current interface.

3.5.1.1 Add/Modify Device

Select a device in the list, and then click it to modify, or click it to delete it. Click it to login

the device manually. Click is to logout the device manually. Or you can select several devices and then click the Delete button at the left bottom corner to remove them all. **Tips**

Click Import button to import .xml file to add devices. Click Export button and then select save path to save current device list to .xml file.

3.6 Signals Manager

After you added a new device, you can go to the signals manager interface to set parameters.



button in the Settings pane, you can go to the following

interface. See Figure 3-13.

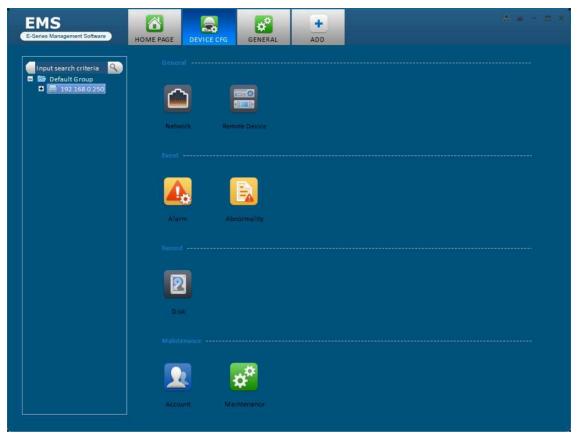


Figure 3-13

3.6.1 General

3.6.1.1 Network

Here is for you to set network information such as TCP/IP, Connection, PPPoE, DDNS, IP Filter, SMTP, Multicast, and Alarm Centre.

3.6.1.1.1 TCP/IP

Here you can set corresponding parameter when you are using TCP/IP connection. See Figure 3-14.

		Network Setting - 192.168.0.250		_	×
тср/ір	Mode	Static O DHCP			
Connect	MAC Address	90:02:A9:B9:5D:FD			
PPPoE	IP Version IP Address	1PV4			
DDNS	Subnet Mask	255.255.255.0	l i		
IP Filter	Default Gateway Preferred DNS	192.168.0.1 8.8.8.8			
SMTP	Alternate DNS	8.8.4.4	l i		
Multicast					
Alarm Centre					
			Apply	Save	Cancel

Figure 3-14

3.6.1.1.2 Connect

Here you can set max login account amount, TCP port, UDP port, HTTP port and etc. See Figure 3-15.

		Network Setting - 19	92.168.0.250		_	×
TCP/IP	Max Connect	128	(1-128)			
Connect	TCP Port UDP Port	37777	(1025-65535)			
PPPoE	HTTP Port	50252	(1-65535)			
DDNS						
IP Filter						
SMTP						
Multicast						
Alarm Centre						
				Apply	Save	Cancel
				Abbia	Jave	Cancer

Figure 3-15

3.6.1.1.3 PPPoE

PPPoE interface is shown as below. See Figure 3-16.

Input "PPPoE name" and "PPPoE password" you get from your ISP (Internet service provider). Click OK button, you need to restart to activate your configuration.

After rebooting, device will connect to internet automatically. The IP in the PPPoE is the device dynamic value. You can access this IP to visit the device.

	Network Setting - 192.168.0.250	×
TCP/IP	Enable	
Connect	User	
PPPoE	Password	
DDNS	IP Address	
IP Filter	DDNS	
SMTP		
Multicast		
Alarm Centre		
		Apply Save Cancel

Figure 3-16

3.6.1.1.4 DDNS

DDNS setup interface is shown as in Figure 3-17.

You need a PC of fixed IP in the internet and there is the DDNS software running in this PC. In other words, this PC is a DNS (domain name server).

In network DDNS, please select DDNS type and highlight enable item. Then please input your PPPoE name you get from you IPS and server IP (PC with DDNS). Click OK button and then reboot system.

Click Ok button, system prompts for rebooting to get all setup activated.

After rebooting, open IE and input as below:

http: //(DDNS server IP)/(virtual directory name)/webtest.htm

		Network Setting - 192.168.0	0.250	_	×
TCP/IP	Server Type	NO-IP DDNS	🔽 Enable		
Connect	Server IP	dynupdate.no-ip.com			
PPPoE	Port	80	(1~65535)		
DDNS	Domain Name User Name	none			
IP Filter	Password	••••	1		
SMTP	Update Interval	5	Minutes		
Multicast					
Alarm Centre					
				Apply Save	Cancel

Figure 3-17

Parameter	Function
Server Type	You can select DDNS protocol from the dropdown list and then enable DDNS function.
Server IP	DDNS server IP address
Port	DDNS server port.
Domain Name	Your self-defined domain name.
User Name	The user name you input to log in the server.
Password	The password you input to log in the server.
Update interval	Device sends out alive signal to the server regularly.
	You can set interval value between the device and DDNS server here.

3.6.1.1.5 IP Filter

IP filter interface is shown as in Figure 3-18. You can add IP in the following list.

After you enabled whitelist function, only the IP listed below can access current device.

If you enable blacklist function, the following listed IP addresses cannot access current device.

_		2.168.0.250	Network Setting - 1		
				🔽 Enable	TCP/IP
			🔿 Blacklist	Whitelist	Connect
				Add	PPPoE
		Operation	Blacklist IP Address	Whitelist	DDNS
					IP Filter
					SMTP
					Multicast
					Alarm Centre
Can	oply Save				

Figure 3-18

3.6.1.1.6 SMTP (Email)

The SMTP interface is shown as in Figure 3-19. Here you can set email receiver, encryption mode, send out interval and etc.

		Network Setting - 1		
TCP/IP	💟 Enable			
Connect	SMTP Server	MailServer		
PPPoE	Port	25	(1-65535)	
	Anonymity			
DDNS	User Name	anonymity		
IP Filter	Password			
	Sender			
SMTP	Encrypt Mode	NONE	Attachmer	t
Multicast	Subject	NVR ALERT		
Alarm Centre	Receiver	none	••	
		none none none		
	Interval Time	120	Seconds(0-36	00)
	🔲 Health Email			
	Interval	60	Seconds	Test
				(Apply) (Save) (Ca

Figure 3-19

Parameter	Function
Enable	Please check the box here to enable email function.
SMTP Server	Input server address and then enable this function.
Port	Default value is 25. You can modify it if necessary.
Anonymity	For the server supports the anonymity function. You can auto login anonymously. You do not need to input the user name, password and the sender information.
User Name	The user name of the sender email account.
Password	The password of sender email account.
Sender	Sender email address.
Encryption mode	System supports SSL/NONE/TLS.
Subject	Input email subject here.
Attachment	System can send out the email of the snapshot picture once you check the box here.
Receiver	Input receiver email address here. Max three addresses.
Interval Time	The send interval ranges from 0 to 3600 seconds. 0 means there is no interval. Please note system will not send out the email immediately when the alarm occurs. When the alarm, motion detection or the abnormity event activates the email, system sends out the email according to the interval you specified here. This function is very useful when there are too many emails activated by the abnormity events, which may result in heavy load for the email server.
Health Email	Please check the box here to enable this function.
Interval	This function allows the system to send out the test email to check the connection is OK or not. Please check the box to enable this function and then set the corresponding interval. System can send out the email regularly as you set here.
Test	The system will automatically sent out an email once to test the connection is OK or not .Before the email test, please save the email setup information.

3.6.1.1.7 Multicast

The multicast interface is shown as in Figure 3-20.

Multicast is a transmission mode of data packet. When there is multiple-host to receive the same data packet, multiple-cast is the best option to reduce the broad width and the CPU load. The source host can just send out one data to transit. This function also depends on the relationship of the group member and group of the outer.

	N	etwork Setting - 192.168	.0.250	_	×
TCP/IP	Main				
Connect	Enable Multicast Address	239.255.42.42	(224.0.0.0~239.255.255.25	55)	
PPPoE	Port	36666	(1025~65500)	20 0	
DDNS					
IP Filter					
SMTP					
Multicast					
Alarm Centre					
			Apply	Save	Cancel

Figure 3-20

3.6.1.1.8 Alarm Server

The alarm centre interface is shown as below. See Figure 3-21.

This interface is reserved for you to develop. System can upload alarm signal to the alarm centre when local alarm occurs.

Before you use alarm centre, please set server IP, port and etc. When an alarm occurs, system can send out data as the protocol defined, so the client-end can get the data.

	Netwo	rk Setting - 192.168.0.250			×
TCP/IP	🗌 Enable				
Connect	Protocol Type A	larm Centre 💌			
PPPoE		0.1.0.2			
DDNS	Port 1 Schedule Login E	very Day 💌 At	08:00	t.	
IP Filter					
SMTP					
Multicast					
Alarm Centre					
			Apply	Save	Cancel

Figure 3-21

3.6.1.2 Remote

Here you can add remote device manually or automatically. See Figure 3-22.
--

	Verent Contraction					
All		Port	Device Name	Protocol Type	Device Type	
1	192.168.1.128	37777	192 168 1 128	Private	K-EW114L	
2	192.168.0.103	80	192 168 0 103	Onvif		
3	192 168 0.175	80	192.168.0.175	Onvif		
14	192.168.0.64	80	192.168.0.64	Onvif		
5	192.168.0.82	80	192.168.0.82	Onvif		
6	192.168.0.83	80	192.168.0.83	Onvif		
7	192.168.0.202	80	192.168.0.202	Panasonic		14
8	192.168.0.252	80	192.168.0.252	Panasonic		
Device Channe	I IP	Port	Device Name	Remote Channel	Protocol Type	Device Type
	I IP 192.168.1.12		Device Name PZC3KW 549D00023	Remote Channel	Protocol Type Private	Device Type K-EW 114L
1		8 37777				
1	192.168.1.12	8 37777 80	PZC3KW 549D00023		Private	K-EW114L
Device Channe 1 2 3 4	192 168 1 12 192 168 1 10	8 37777 80 80	PZC 3KW 549D 00023		Private Onvif	K-EW114L WV-SC385
1 2 3	192.168.1.12 192.168.1.10 192.168.1.11	8 37777 80 80	PZC 3KW 549D00023 192 168 1 10 192 168 1 11		Private Onvif Panasonic	K-EW114L WV-SC385 WV-NP502
1 2 3	192.168.1.12 192.168.1.10 192.168.1.11	8 37777 80 80	PZC 3KW 549D00023 192 168 1 10 192 168 1 11		Private Onvif Panasonic	K-EW114L WV-SC385 WV-NP502
1 2 3	192.168.1.12 192.168.1.10 192.168.1.11	8 37777 80 80	PZC 3KW 549D00023 192 168 1 10 192 168 1 11		Private Onvif Panasonic	K-EW114L WV-SC385 WV-NP502
1 2 3	192.168.1.12 192.168.1.10 192.168.1.11	8 37777 80 80	PZC 3KW 549D00023 192 168 1 10 192 168 1 11		Private Onvif Panasonic	K-EW114L WV-SC385 WV-NP502
1 2 3 4	192.168.1.12 192.168.1.10 192.168.1.11	8 37777 80 80	PZC 3KW 549D00023 192 168 1 10 192 168 1 11		Private Onvif Panasonic	K-EW114L WV-SC385 WV-NP502



Click Search device button, system can list all the devices on the same IP section. Select a device and then click Add button; you can add a remote device.

Click Manual add button, System pops up the following dialogue box. See Figure 3-23. Please input the corresponding information and then click OK button to add a remote device.

	Manual Add	×
Name		
IP Address		
Protocol Type	Private	
Port	o	
User Name		
Password		
Remote Channel	1	
Local Channel	5	

Figure 3-23

3.6.1.3 Encode

3.6.1.3.1 Audio/Video

The interface is shown as below. See Figure 3-24. Here you can set audio/video bit stream.

		Encode - 192.168.0.250(IPC)		
Audio/Video	Main Stream		Extra Stream		
Snapshot	Stream Type	General	Video Setup		
	Encode Type	H.264	Encode Type	H.264	
Overlay	Resolution	720P	Resolution	D1	
	FPS	25	FPS	25	
	StreamCtrl	BRC_CBR	StreamCtrl	BRC_CBR	
	Bit Stream	4096Kbps	Bit Stream	4096Kbps	
	Ref Stream	1536kbps-10240kbps	Ref Stream	768kbps-4096kbps	
	Iframes	50 (1-150)	Iframes	50 (1-150)
	💟 Audio Setup		🔲 Audio Setup		
	Encode Mode	T.	Encode Mode		
	🔽 Watermark				
	Characters	DigitalCCTV			
opy None:			Apply	Save Can	cel

Figure 3-24

Parameter	Function
Video setup	Check the box here to enable extra stream video. This item is enabled by default.
Stream type	It includes main stream, motion stream and alarm stream. You can select different encode frame rates form different recorded events.
Encode type	It is to set audio/video encode mode. Default setup is H.264.
Resolution	System supports various resolutions, you can select from the dropdown list.
FPS	1~30f/s.
Bit stream	In VBR mode, it is the max value of the bit stream. In the CBR mode, it is a fixed value.
Audio encode mode	Check the box here to enable audio function and select encode type from the dropdown list.
Watermark enable /watermark character	This function allows you to verify the video is tampered or not. Here you can select watermark bit stream, watermark mode and watermark character. Default character is DigitalCCTV.
Сору	Click it to copy current setup to other channel(s).

3.6.1.3.2 Snapshot

The snapshot interface is shown as below. See Figure 3-25.

		Encode - 192.168.0.250(IP	C)		×
Audio/Video	Snap Mode	Regular			
Snapshot	Size	720P	2		
Overlay	Quality Snap Interval		с. с.		
Copy None			Apply	Save	Cancel

Figure 3-25

Please refer to the following sheet for detailed information.

Parameter	Function
Snap Mode	 There are three modes. Regular: It enables snapshot function as you set on the snapshot plan. MD: It enables snapshot function when motion detect occurs. Alarm: It enables snapshot function when an alarm occurs.
Size	It is the same with the resolution of the main stream.
Quality	It is to set the image quality.
Snap Interval	It is to set snapshot frequency.

3.6.1.3.3 Overlay

Here is for you to overlay information on the video. See Figure 3-26.

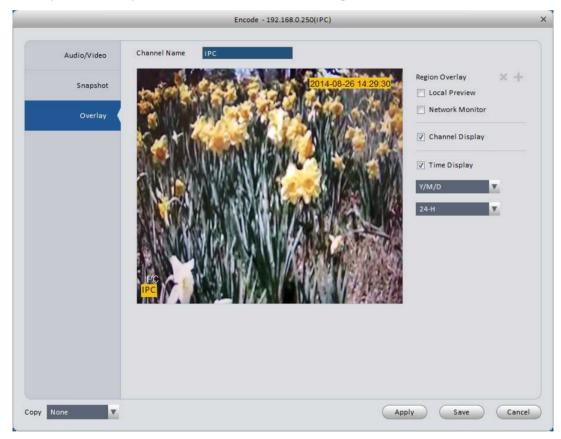


Figure 3-26

Please refer to the following sheet for detailed information.

Parameter	Function
Region-overlay	There are two types: Local preview/network monitor. Local preview: It is to shield the corresponding video under local preview mode.
	Network monitor: It is to shield the corresponding video under network monitor mode. Click button to set a zone.
Channel display	You can enable this function so that system overlays channel information in video window.

	Please input channel name here. You can use the mouse to drag the channel title position.
Time display	You can enable this function so that system overlays time information in video window.
	You can use the mouse to drag the time title position.
	You can view time title on the live video of the WEB or the playback video.
Date format	Select date format from the dropdown list if you want to overlay date information.
Time format	Select date format from the dropdown list if you want to overlay time information.
Сору	Click it; you can copy current channel setup to other channel(s).

3.6.1.4 Image

Here you can set camera property. See Figure 3-27.

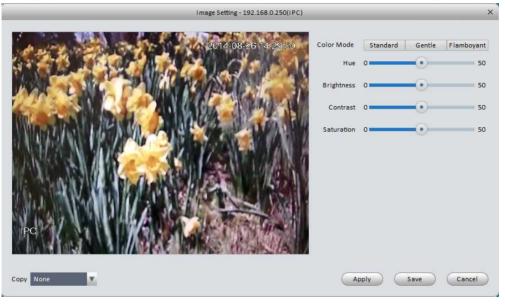


Figure 3-27

Please refer to the following sheet for detailed information.

Parameter	Function
Color mode	It is to set color mode.
Hue	It is to set color hue.
Brightness	It is to adjust color whole brightness. The large the value is, the bright the video is and vice versa.
	When you set, the dark pane and the bright pane of the video can be increased or decreased accordingly at the same time.
Contrastness	It is to set video contrast. The large the value is, the big the contrast is, vice, versa.
Saturation	It is to set color saturation. The larger the value is, the strong the color is and vice versa.

3.6.1.5 PTZ Control

It is for you to set PTZ parameters. See Figure 3-28.

PTZType	Local	•	
Protocol	NONE		
Address	1	<u>*</u>	
Baud Rate	9600		
Data Bit	8		
Stop Bit	1 bit		
Parity	None	Ψ.	

Figure 3-28

Please refer to the following sheet for detailed information.

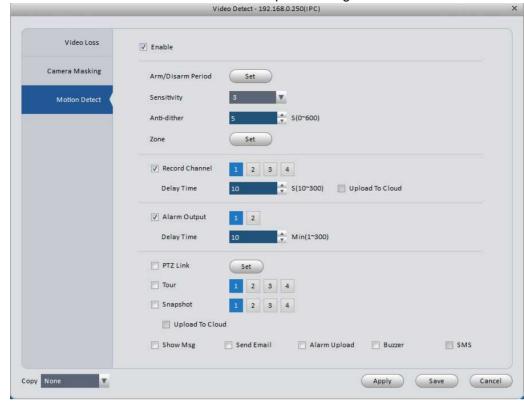
Parameter	Function
Protocol	Select the corresponding dome protocol such as PELCOD.
Address	Set corresponding dome address. Default value is 1. Please note your setup here shall comply with your dome address; otherwise you cannot control the speed dome.
Baud Rate	Select the dome baud rate. Please set according to the speed dome dial switch setup.
Data Bit	Default setup is 4. Please set according to the speed dome dial switch setup.
Stop bit	Default setup is 1. Please set according to the speed dome dial switch setup.
Parity	Default setup is none. Please set according to the speed dome dial switch setup.

3.6.2 Event

3.6.2.1 Video Detect

The video detect includes three types:

- Motion detect: Through analyze video, system can enable motion detect alarm when it detects any moving signal that reaches the sensitivity threshold you set here.
- Video loss: This function allows you to be informed when video loss phenomenon occurred. You can enable alarm output channel and then enable show message function.
- Camera masking: When someone viciously masks the lens, or the output video is in onecolor due to the environments light change, the system can alert you to guarantee video continuity.



Here we use motion detect interface as an example. See Figure 3-29.

Figure 3-29

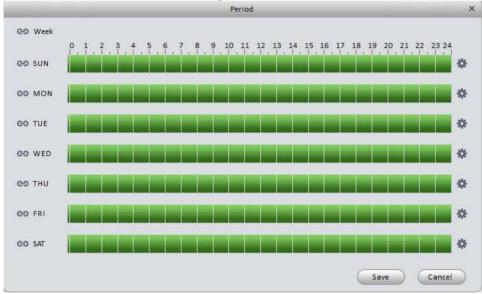


Figure 3-30

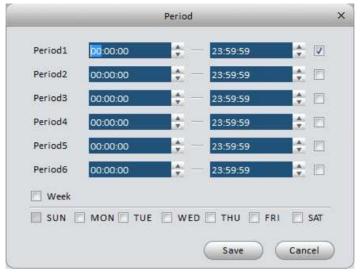


Figure 3-31

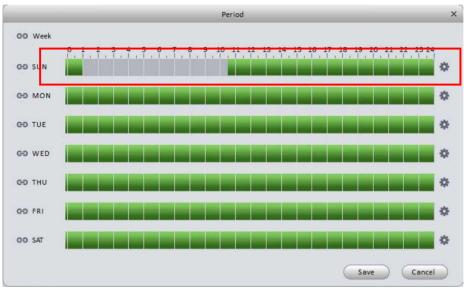


Figure 3-32

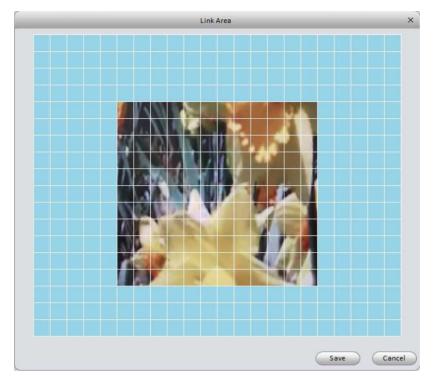


Figure 3-33

Channel 1	Preset 🔻	1
Channel 2	Never 🔻	
Channel 3	Never 💌	
Channel 4	Never 💌	
Channel 5	Never 💌	
Channel 6	Never 💌	
Channel 7	Never 💌	
Channel 8	Never 🔻	
Channel 8	Never 🔽	
	(s	Save Cancel

Figure 3-34

Parameter	Function
Enable	You need to check the box to enable motion detection function.

Parameter	Function
Arm/disarm Period	Motion detection function becomes activated in the specified periods. See Figure 3-30.
	There are six periods in one day. You can click to set (Figure 3-31) or use mouse to draw the corresponding period on the time bar directly (Figure 3-32).
	Click OK button, system goes back to motion detection interface, please click OK button to exit.
Sensitivity	There are 10 levels. The sixth level has the highest sensitivity.
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 5s to 100s.
Zone	You can click this button to set motion detection zone. The interface is shown as in Figure 3-33. Do remember clicking OK button to save your motion detection zone setup.
Record channel	System auto activates motion detection channel(s) to record once an alarm occurs. Please note you need to set motion detect record period and go to Record-> record plan to set current channel as schedule record.
Record Delay	System can delay the record for specified time after alarm ended.
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.
Output delay	System can delay the alarm output for specified time after an alarm ended.
PTZ Link	Here you can set PTZ movement when alarm occurs. See Figure 3-34.
Tour	You need to check the box here to enable this function. System begins 1-wiindow or multiple-window tour display among the channel(s) you set to record when an alarm occurs.
Show message	System can pop up a message to alarm you in the local host screen if you enabled this function.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.
Message	When 3G network connection is OK, system can send out a message when motion detect occurs.
Video Matrix	This function is for motion detect only. Check the box here to enable video matrix function.

3.6.2.2 Alarm

Before operation, please make sure you have properly connected alarm devices such as buzzer. The input mode includes local alarm and network alarm. The local alarm interface is shown as in Figure 3-35.

		Alarm Setting - 192.168.0.2	50		×
💟 Alarm Input Enable	1 A	larm Alias	-		
Arm/Disarm Period	Set				
Anti-dither	5 Second	(0~600)			
Device Type	NO				
💟 Record Channel	1 2 3 4 5	6 7 8			
Record Delay	10 Second	(10~300)			
🔲 Upload To Clou	d				
📄 Alarm Output	1 2				
Output Delay	10 Second	(1~300)			
TZ Link	Set				
Tour	1 2 3 4 5	6 7 8			
Snapshot	1 2 3 4 5	6 7 8			
🔲 Upload To Clou	d				
Show Msg	🔲 Send Email	🔲 Alarm Upload	🔲 Buzzer	SMS	
Copy current configuration to	None		Apply	Save C	ancel

Figure 3-35

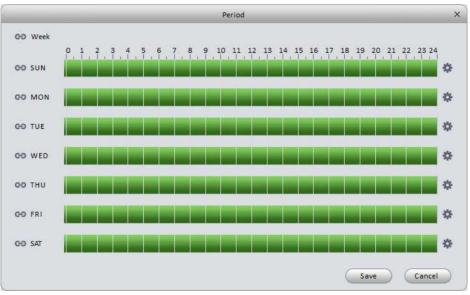


Figure 3-36

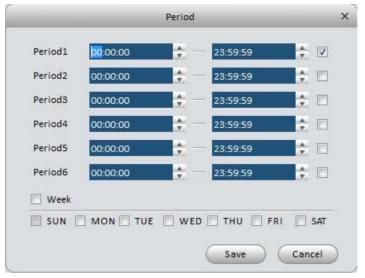


Figure 3-37

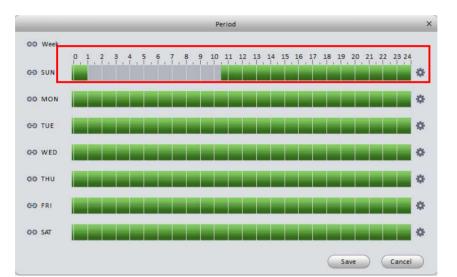


Figure 3-38



Figure 3-39

Parameter	Function
Enable	You need to check the box to enable this function.
	Please select a channel from the dropdown list.
Arm/disarm Period	This function becomes activated in the specified periods.
	There are six periods in one day. See Figure 3-36.
	There are six periods in one day. You can click to set (Figure 3-37) or use mouse to draw the corresponding period on the time bar directly (Figure 3-38).
	Click OK button, system goes back to alarm interface, please click OK button to exit.
Anti-dither	System only memorizes one event during the anti-dither period.
Device (Sensor) type	There are two options: NO/NC.
Record Delay	System can delay the record for specified time after alarm ended.
Output delay	System can delay the alarm output for specified time after an alarm ended.
Record channel	System auto activates motion detection channel(s) to record once an alarm occurs. Please make sure you have set MD record in Record interface (Main Menu->Setting->Signal sources).
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.
Video matrix	Check the box here to enable video matrix function.
Show message	System can pop up a message to alarm you in the local host screen if you enabled this function.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.
Tour	You need to check the box here to enable this function.
PTZ Activation	Here you can set PTZ movement when alarm occurs. Such as go to preset X. See Figure 3-39.

3.6.2.3 Abnormality

It includes six statuses: No device, no space, device error, net offline, IP conflict and MAC conflict. See Figure 3-40 through Figure 3-45.

_		Abnormality - 192.	168.0.250	_		×
No storage device	🔽 Enable					
No Space	🔲 Alarm output	1 2				
Storage device error	Output Delay	10	Second(1~300)			
Offline	Show Msg	🔲 Send Email	🔲 Alarm Upload	Buzzer	SMS	
IP Conflict						
Mac Conflict						
				Apply (Save Ca	ncel

Figure 3-40

		Abnormality - 192.	168.0.250		_	
No storage device	🔽 Enable					
No Space	Free Space	20	%(0-99)			
Storage device error	📃 Alarm Output	1 2				
Offline	Output Delay	10)	Second(1~300)			
IP Conflict	Show Msg	🔲 Send Email	📃 Alarm Upload	🗌 Buzzer	SMS	
Mac Conflict						
				Apply (ОК Са	nce

Figure 3-41

		Abnormality - 192.	168.0.250	_	_	×
No storage device	💟 Enable					
No Space	🔲 Alarm Output	1 2				
Storage device error	Output Delay	10	Second(1-300)			
Offline	Prompt	🔲 Send Email	🔲 Alarm Upload	🔲 Buzzer	SMS	
IP Conflict						
Mac Conflict						
				Apply	Save Car	ncel

Figure 3-42

		Abnormality - 192 168.0.250	0	
No storage device	📝 Enable			
No Space	Record	1 2 3 4 5	6 7 8	
Storage device error	Record Delay	10 Secon	nd(10~300)	
Offline	🔲 Alarm Output	1 2		
IP Conflict	Output Delay	10 Secon	nd(1~300)	
Mac Conflict	C Show Msg	📄 Send Email	📄 Buzzer	🔲 sms
			Apply	Save Can

Figure 3-43

		Abnormality - 192.168.0.250	0		
No storage device	🔽 Enable				
No Space	Record	1 2 3 4 5	6 7 8		
Storage device error	Record Delay	10 Secon	nd(10~300)		
Offline	🔲 Alarm Output	1 2			
IP Conflict	Output Delay	10 Secon	nd(1~300)		
Mac Conflict	Show Msg	🔲 Send Email	🔄 Buzzer	SMS 🔤	
			Apply	Save	Cance

Figure 3-44

	_	0	Abnormality - 192.168.0.25		
				💟 Enable	No storage device
			1 2	🔲 Alarm Output	No Space
		nd(1~300)	10 Seco	Output Delay	Storage device error
	SMS	Buzzer	🔲 Send Email	C Show Msg	Offline
					IP Conflict
					Mac Conflict
Cancel	Save	Apply			

Figure 3-45

Parameter	Function
Enable	Check the box here to enable selected function.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.

Parameter	Function
Output delay	The alarm output can delay for the specified time after an alarm stops.
Show message	System can pop up a message to alarm you in the local host screen if you enabled this function.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.

3.6.3 Record

3.6.3.1 Schedule

You can set the corresponding period to enable schedule record function. You can follow the steps listed below to set schedule record function.

1) Click Schedule button, you can go to the following interface. See Figure 3-46.

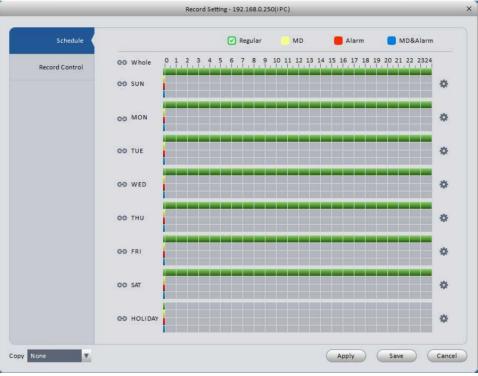


Figure 3-46

 Click button after corresponding date, you can see an interface shown as below. See Figure 3-47.

				Plan	al			
					Regular	Motion	Alarm	MD&Alarm
Period1	00:00:00	÷	23:59:59	A. Y				
Period2	00:00:00	÷	23:59:59	÷				
Period3	00:00:00	÷-1	23:59:59	÷.				
Period4	00:00:00	÷-	23:59:59	A. Y				
Period5	00:00:00	÷-	23:59:59	÷.				
Period6	00:00:00	÷-1	23:59:59	÷				
🔲 SUN		TUE	WED	E] тни	🔲 FRI	SAT	🗌 HOLII
						0	Save	Cancel

Figure 3-47

3) Set record period and check the box to select record type. Click OK button, now you can see an interface shown as in Figure 3-48.

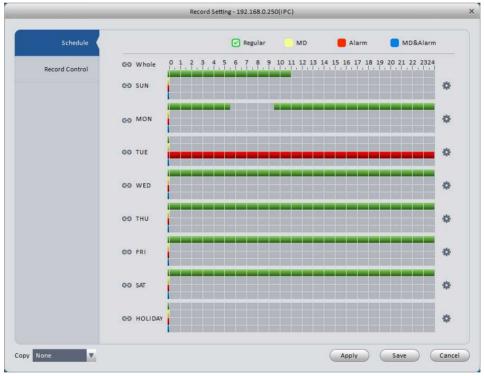


Figure 3-48

You can view the current time period setup from the color bar.

- Green color stands for the general record.
- Yellow color stands for the motion detect record.
- Red color stands for the alarm record.
- Blue color stands for MD and alarm record.

Tips

Click Copy button to copy current setup to other date.

3.6.3.1.1 Record Control

It is for you to set record control mode. See Figure 3-49.

		Record Setting - 192.168.0.250(IPC)	×
Schedule	Pre-Record	4 * S(0~30)	
Record Control	Main Stream	🖲 Schedule 🔘 Manual 🔘 Stop	
	Sub Stream	🔿 Schedule 🔘 Manual 💿 Stop	
Copy None 🔻		Apply	Save Cancel

Figure 3-49

Please refer to the following sheet for detailed information.

Parameter	Function
Pre-record	Please input pre-record time here.
Main stream	It is to set main stream record mode. It includes: Schedule/manual/stop.
Sub stream	It is to set sub stream record mode. It includes: Schedule/manual/stop.

3.6.3.2 Disk

3.6.3.2.1 Local Store

The local interface is shown as in Figure 3-50. Here you can save data to local SD card or HDD.

		Disk Manager -	192.168.0.250		
Local Store	Device Name	HDD Operation	Disk Type	State	Free/Total Space
	Disk 1	Set as read-write d	Read-Write	Normal	0G/931.4G
Remote Store					
	R.				
					Cancel

Figure 3-50

3.6.3.2.2 Remote store

It is for you to upload data to a PC via FTP. See Figure 3-51.

		Disk Manager - 192	168.0.250		
Local Store	🔲 Enable				
Remote Store	* Host IP	0.0.0.0			
	* Port	21			
	User Name				
	Password		Anonymity		
	Remote Directory				
	File Length	0	M		
	Upload Interval	2	Second		
	Channel	1	X		
	Week	Sun.	T		
	Period 1	00:00:00 🔶 -	23:59:59 🔶 🗌 Alarm	MD	Others
	Period 2	00:00:00 🛟 -	23:59:59 🔶 📄 Alarm	D MD	Others
			6	Apply (Save

Figure 3-51

3.6.4 Maintenance

3.6.4.1 Account

Here you can add/modify/delete a group or add/modify/delete a user. System default user group is admin/user. System default user is admin.

Click Account button in Signals interface and then click Role button. See Figure 3-52.

User Add Delete Role Role All Group Name Memo Operation 1 admin administrator group 2 user user group			Account -	192.168.0.250		>
Nue admin administrator group	User	Add	Delete			
1 admin administrator group	Role	I All	Group Name	Memo	Operation	
2 user user group		1	admin	administrator group		
		2	user	user group		
		Reality				
Cancel					Cane	(to



Click Add group button, you can see system pops up the following interface. See Figure 3-53. Please input a group name and then select corresponding rights, input some note information for your reference if necessary. Click OK button to exit.



Figure 3-53

	_	A	.ccount - 192.168.0.250)		
User	Add	Delete				
Role	All	User Name	Group Name	Memo	Operation	1
	1	admin	admin	admin 's account		
	2	default	user	default account		
						Cancel)

Go to the User interface, here you can add/remove user and modify user name. See Figure 3-54.

Figure 3-54

Click Add user button, you can see the following interface. See Figure 3-55. Please input user name, password, and select a group from the dropdown list. Select corresponding rights and then click OK button.

Tips

If you want to multiple users to use this account login at the same time, you need to check the box to select reusable function.

	Add User	;
User Name	-	Reuseable
Password	1	
Confirm Password		
Group	admin	Y.
Memo		
Rights List	Check All	
Ctr Panel		
Shutdown		
Monitor		
Monitor_01		
Monitor_02		
Monitor_03		
Monitor_04		
Monitor_05		



3.6.4.2 Maintenance 3.6.4.2.1 Host

Here you can set system time, date format, record period and etc. See Figure 3-56.

		Maintenance - 19	2.168.0.250		_	×
Local Setup	Device Name	NVR				
Date&Time	Device No	8				
RS232	Language Video Standard	English PAL	V.			
Auto Maintenance	Pack Duration	60	minut	e(0~120)		
Version	When disk is full	Overwrite	V			
				Apply	Save	Cancel

Figure 3-56

Parameter	Function
Device name	It is to set device name.
Device No.	When you are using one remote control to manage multiple devices, you can give a serial numbers to the device.
	Before the operation, please make sure you have clicked address button on the remote control and input a number for current device.
Language	You can select the language from the dropdown list.
	Please note the device needs to reboot to get the modification activated.
Video Standard	This is to display video standard such as PAL.
Pack duration	Here is for you to specify record duration.
HDD full	 Here is for you to select working mode when hard disk is full. There are two options: stop recording or rewrite. If current working HDD is overwritten or the current HDD is full while the next HDD is no empty, then system stops recording, If the current HDD is full and then next HDD is not empty, then system overwrites the previous files.

3.6.4.2.2 Date&Time

The date and time interface is shown as in Figure 3-57.

Local Setup	Date Format	YYYY-MM-DD	×		
Date&Time	Time Format	24-H	v		
R\$232	System Time	2014-08-26	17:41:03	Sync PC	\supset
	🔲 DST Enable				
Auto Maintenance	DST Typ	🔿 Date 🔘 Wee	k		
Version	Start Time	Jan	Last Week	🔻 Sunday 🔻	00:00:00
	End Time	Jan	The 1st	V Monday V	00:00:00
	V NTP				
	Time Zone	GMT+09:00	V.		
	NTP Server	time.windows.com			
	Port	123	(1-65535)		
	Update Period	60	Minute(0-655	35)	

Figure 3-57

Parameter	Function
Date format	Here you can select date format from the dropdown list.
Time Format	There are two options: 24-H and 12-H.
System time	It is to set system time. It becomes valid after you set.
Sync PC	You can click this button to save the system time as your PC current time.
DST enable	Here you can set day night save time begin time and end time. You can set according to the date format or according to the week format.
NTP	You can check the box to enable NTP function.
Time zone	The time zone of the device.
NTP server	You can set the time server address.
Port	It is to set the time server port.
Update period	It is to set the sync periods between the device and the time server.

3.6.4.2.3 RS232

The RS232 interface is shown as in Figure 3-58.

		Maintenance - 192.168.0.250		×
Local Setup				
	COM	COM1		
Date&Time	Data Bit	8		
RS232	Stop Bit	2		
Auto Maintenance	Baud Rate	115200 💌		
Version	Parity	None		
			Apply	Save Cancel

Figure 3-58

Please refer to the following sheet for detailed information.

Parameter	Function				
СОМ	ou can select from the dropdown list.				
Function	 There are various devices for you to select. Console is for you to use the COM or mini-end software to upgrade or debug the program. The control keyboard is for you to control the device via the special keyboard. Transparent COM (adapter) is to connect to the PC to transfer data directly. Protocol COM is for card overlay function. Network keyboard is for you to use the special keyboard to control the device. 				
Data Bit	Default setup is 8.				
Stop bit	Default setup is 1.				
Baud Rate	Default setup is 115200.				
Parity	Default setup is none.				

3.6.4.2.4 Auto Maintenance

Here you can set auto-reboot time and auto-delete old files setup. You can set to delete the files for the specified days. See Figure 3-59.

		Maintenance - 192.168.0.2	150		×
Local Setup	Auto Restart	Sunday	02:00	<u>*</u>	
Date&Time	Auto Delete Files	Customize 🔻	30	Day(s) ago	
RS232		Restart			
Auto Maintenance					
Version					
			C	Apply Save Cance	el)

Figure 3-59

3.6.4.2.5 Version

Version interface is shown as below. See Figure 3-60.

		Maintenance - 192.168.0.250	×
Local Setup	Software Version:	3.200.PS00.0, build : 2014-7-15	
Date&Time	SN: Copyright 2014. All R	YPA4AQ022W00005	
RS232	copyright 2014. An A		
Auto Maintenance			
Version			
			Cancel

Figure 3-60

3.7 Alarm Setup

3.7.1 Set Alarm Scheme

You can follow the steps listed below to set an alarm scheme.



Click the icon in the Settings pane, you can go to alarm configuration interface. See Figure 3-61.

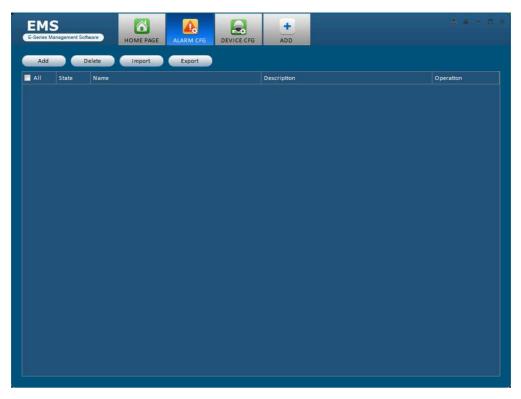


Figure 3-61

- 2) Set alarm sources.
 - a) Click button in Figure 3-61, system goes to alarm sources setup interface. See Figure 3-62.
 - b) Here you can input a scheme name and some reference information. select the alarm type from the dropdown list.
 - c) Check the box to select a channel you want to set alarm scheme on the left pane; you can add it to the list on the right pane.

		_	New Scheme		
	Name Untitled 1	Descrip	tion		Enable when create
1 Alarm sources	Alarm Type Motion Detect	V			
0	Input search criteria	No.	Channel	Alarm Type	Operation
2 Alarm link	Default Group Joseph Joseph	1	192.168.0.250/IPC	Motion Detect	
3 Schedule		2	192.168.0.250/Channel 2	Motion Detect	
<u> </u>		3	192.168.0.250/Channel 3	Motion Detect	
		4	192.168.0.250/Channel 4	Motion Detect	
		5	192.168.0.250/Channel 5	Motion Detect	
		6	192.168.0.250/Channel 6	Motion Detect	
		7	192 168.0.250/Channel 7	Motion Detect	
		8	192.168.0.250/Channel 8	Motion Detect	
				Next	Cancel

Figure 3-62

d) Click Alarm Link on the left pane or click next button in Figure 3-62, you can go to the following interface. Please check the trigger channel in Figure 3-63 and alarm output channel, stay time and etc in Figure 3-64.

			New Scheme					
:	Name Untitled 1		Description				🔽 Enable	when create
1 Alarm sources	Channel	Alarm Out						
	Input search crit	eria 🔍	Link Channel	Push Video	Record	Preset	Stay Time(s)	Operation
2 Alarm link		Ø Default Group Ø	192.168.0.250/IPC			N/A	20	
3 Schedule	· V _ 192.1	.68.0.250	192.168.0.250/Channel 2			N/A		
9			192 168 0 250/Channel 3			N/A	20	
			192.168.0.250/Channel 4			N/A	20	
			192.168.0.250/Channel 5			N/A		
			192 168 0 250/Channel 6			N/A	20	
			192 168.0.250/Channel 7	12		N/A	20	
			192 168.0.250/Channel 8	V		N/A	20	
				(Back		Next	Cancel

Figure 3-63

		New Scheme			×
	* Name Untitled 1	Description		🔽 🗹 Enable	when create
1 Alarm sources	Channel Alarm Out				
2 Alarm link	Input search criteria	Link Out	Auto Start	Stay Time(s)	Operation
2 Alarm link	 Ø Default Group Ø 9 192.168.0.250 	192.168.0.250/AlarmOut1	Yes		×
3 Schedule		192.168.0.250/AlarmOut2	Yes		*
			Back	Next	Cancel
			Dack	IN CAL	Sancer

Figure 3-64

e) Click Schedule button on the left pane or click next button in Figure 3-63, you can go to the following interface. See Figure 3-65.

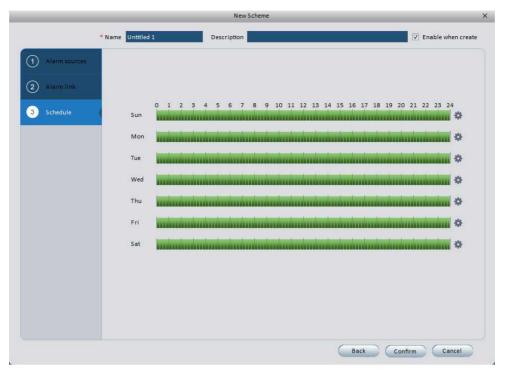


Figure 3-65

Click safter a date to set alarm activation period. There are six periods in one day. See Figure 3-66. Click OK button to exit.

_	Schem	ie Tim	e Setup	_	-
Period 1	00:00	A T	See ()	23:59	ł
Period 2	00:00	÷		00:00	÷
Period 3	00:00	<u>A</u>	-	00:00	-
Period 4	00:00	÷		00:00	-
Period 5	00:00	÷	S=0)	00:00	-
Period 6	00:00	A T	-	00:00	
Trial and	n 🗍 Mor	1	Tue		Wed
V Sun	A stand Colored				

Figure 3-66

 f) Click OK button, you can view the scheme information on the alarm setup interface. See Figure 3-67.

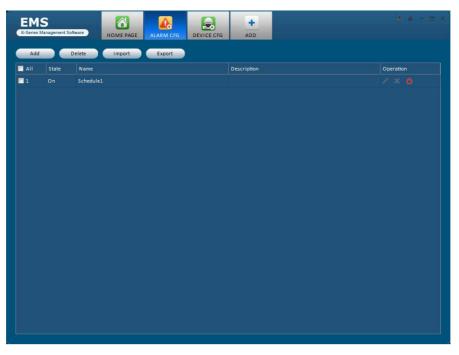


Figure 3-67

3.7.2 Enable/Disable/Export Scheme

After you added a scheme, you can view the following contents for operation information.

- E: Delete current scheme.
- Disable current scheme.
- Enable current scheme.
 - Event Select one or more scheme(s) and then click this button to delete.
- : Import scheme information.
- Export : Export scheme informaiton.

3.8 Tour & Task

It is to realize monitor tour among each window. Please follow the steps listed below to set.



Click icon in the Settings pane, you can go to monitor tour interface. See Figure 3-68.

	EMS E-Series Management Software	HOME PAGE	TOUR & TASK	+ ADD		2 a - C ×
	Set and enable channel	groups for a tour t	ask which can be e	nabled on the live	eview interface. You can drag to sort these group	s.
	+					
				Figure	e 3-68	5. 1
Click	+ button	to add	task inf	erface	. See Figure 3-71.	
Input tas	sk name, stay ti	me.				-
Click			- D T	5 25	36 64	at the bottom of the
interface	e to select wind	ow am	ount.			
Drag cha	annel(s) on the	right p	ane to t	he win	dows on the left pa	ne. See Figure 3-69
	Name Channel Crows 1	_	Chuilling E	Tour :	Setup	Device
	Name Channel Group 1		Stay Time 5	(5)	unBinding	Channel 6 Channel 8
	unBin	ding			unBinding	
						View
				6 25 36	64 2	Drag channel bind to window
				Figure	e 3-69	
Sa	ve)					
lick	button t	o save	current	setup.	See Figure 3-70.	

ESeries Management Software	
Set and enable channel groups for a tour task which can be enabled on the liveview interface. You can drag to sort these groups.	
Figure 3-70	
Tips	
Click Save and Continue to save current task setup and add more tasks at the same time.	
 In Figure 3-70, you can check the enable button to open current scheme. Or you can go to the main interface and then click Liveview button () to go to the following interface. See Figure 3-71. Click () at the bottom of the interface to enable the scheme. 	0
<image/>	

Figure 3-71

4 Basic Operation

4.1 Liveview

4.1.1 Real-time Liveview

After you added a device, you can realize real-time liveview, record, snap, PTZ operation and etc.

On the main interface, click in the Basic pane, you can go to the liveview interface. See Figure 4-1.

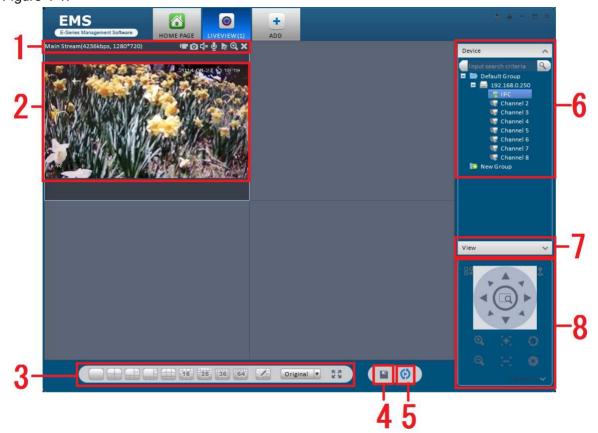


Figure 4-1

Please refer to the following sheet for detailed information.

SN	Item	Function
1	Bit stream information and shortcut operation menu	 Please refer to the following contents for detailed information. Enable/disable local record. Snapshot. Enable/disable audio. Enable/disable bidirectional talk. Instant playback. Digital zoom Close current window.

SN	Item	Function
2	Video window	Real-time video
3	Window split mode	 Even control to a control to a control to a control to be control to a control to be contro
4	Save as view	It is to save current preview setup as a view. Click it , you can see an interface shown as below. See Figure 4-2. Please input a view name and then click OK button. Save View X View Name: X Add to Tour Task OK Cancel Figure 4-2 After you saved current view setup, you can click the View button at the right pane (Button 7 in Figure 4-1)and then click a name to qucikly go to your favorite preview setup.
5	Enable tour	It is to enable a tour task. Before you use this function please go to chapter 3.8 to add a tour task first.
6	Device list	Display device group and the corresponding channel. Here you can create a new group and drag a device to it. Right click a channel, you can select main stream/sub stream or quickly go to the device setup interface.
7	View	After you click button to save a view (Button 4 in Figure 4-1), you can click this button and then select a name to qucikly go to your favorite preview setup.See Figure 4-3.

SN	Item	Function
8	PTZ	It is for PTZ dome camera or fisheye camera series product only. Here you can set camera direction, zoom in, zoom out, iris and etc.
		Click advanced button to set preset, tour, aux function and so o

Select a preview window, double click a device channel on the right pane to open the video. Double click a group name; you can open all channels under current group. Right click device channel, you can switch between main stream/extra stream.

Right click preview window, you can see an interface shown as in Figure 4-4.



Figure 4-4

Please refer to the following sheet for detailed information.

Item	Function
Close video	Click it to close current window.
Close all video	Click it to close all windows.
Start audio	Click it to enable audio function.
Start talk	Click it to enable bidirectional talk function.
Start record	Save audio/video of current window to a record file.
Snapshot	Snapshot current window. Click it once to save one picture.
Triple Snapshot	Snapshot current window. Click it once to save three pictures by default.
Start instant playback	It is to enable instant playback in current window.
Playback	Click it to go to the playback interface to playback record of current window.

Item	Function
Window scale	It is to adjust window scale.
Stream type	Switch between main stream/sub stream
Quality/Fluency	You can select between video and fluency.
Adjust	Set video brightness, contrast, hue and saturation.
Channel setup	Click it to go to the channel setup interface (chapter 3.6).
Full-screen	Click it to switch to full screen mode. You can double click video window or right click mouse and then select exit full screen to exit.

4.1.2 Record

During the preview process, you can follow the steps listed below to record. On the preview interface, right click mouse and then select record button.

Or you can click the button **u** at the top of the video window to record.

The icon becomes **W** when device is recording.

You can right click mouse to select stop record or click the Las at the top of the video window to

stop record.

The default record save path is EMS/Record. Here you can go to chapter 3.3 General and then select file setup icon to modify record save path.

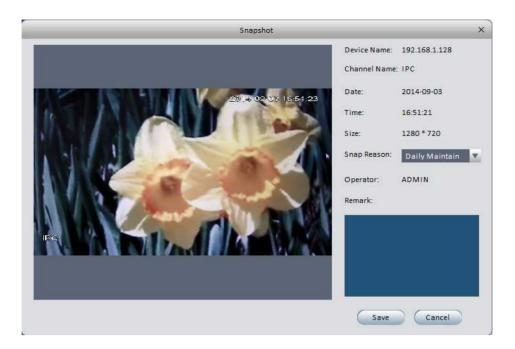
4.1.3 Snapshot

During the preview process, you can follow the steps listed below to snapshot.

1) On the preview window, right click mouse and then select snapshot. You can see system pops up snapshot dialogue box. See Figure 4-5.

Tips

You can also click at the top of the video window to snapshot.





- 2) Please select corresponding parameter from the snapshot reason dropdown list and then input the information in the Remarks column.
- 3) Click save button, you can see system prompts "Successfully snapshot".

On the Preview window, right click mouse and then click Triple snapshot, you can snap three pictures at one time. You can see the corresponding dialogue box if the snapshot succeeds. The default picture save path is EMS/capture. Here you can go to chapter 3.3 General and then select file setup icon to modify picture save path.

4.1.4 PTZ

If the device type is PTZ dome camera or fisheye camera, you can click the PTZ button to set. See Figure 4-6.



Figure 4-6

Item	Function				
PTZ menu	Click to go to the PTZ menu. See Figure 4-7.				
Direction buttons	It is to set PTZ movement direction. There are total 8 directions. Top/bottom/left/right/top left/top right/bottom left/bottom right.				
Mouse simulator	Click, you can use your mouse to set PTZ movement direction.				
3D positioning	It allows you to zoom in or zoom out the specified zone. Please note, you can only use mouse to control.				
Step	It is to control PTZ movement speed. It supports value 1 to value 8.				
Zoom	It is to control speed dome to realize zoom function.				
Focus	It is to adjust video definition.				
Iris	It is to adjust brightness.				
Preset	There are 128 presets by default. You can set camera to a specified preset. Use direction keys to move the camera to your desired location and then input preset value. Click Set button, you have set one preset.				
Tour	This function allows the camera to move between several presets.				
Auto rotate	It is to enable auto rotate function.				
Aux 1	It is to set aux positioning.				
Scan	It is to set two limits so that the camera can move back and forth.				
Pattern	The camera can memorize dome operation such as pan, tilt, and zoom to repeat.				

4.1.4.1 Preset

This function allows you to set camera to a specified position.

Preset setup

Please note system supports 128 presets by default.

- 1) In Figure 4-6, use direction keys to move the camera to your desired location.
- 2) Select Preset from the dropdown list and then select a preset number (1-128) from the

dropdown list. Click to save current setup. Now you can see an interface shown as in Figure 4-8.



Figure 4-8

Call preset

In Figure 4-6, select Preset from the dropdown list. Select a value from the dropdown list and

then click Goto button , you can call a preset.

4.1.4.2 Tour

This function allows camera to go between several presets.

Important

Before you use this function, please set at least two presets.

Tour setup

- 1) In Figure 4-6, select Tour from the dropdown list and then click with button.
- 2) System pops up the following dialogue box. See Figure 4-9.



Figure 4-9

- 3) Select Tour ID from the dropdown list.
- 4) Input tour name/stay time and then select preset number from the dropdown list.
- 5) Click button to add one preset to the tour.

Now you can see an interface shown as in Figure 4-10.

Tour (0 1	Tour Name		
Preset	Time(s)	Operation	
1	10		
2	10		

Figure 4-10

Click OK button to exit.

Call tour

In Figure 4-6, select tour from the dropdown list. Select corresponding tour value from the

dropdown list and then click button, you can call it.

4.2 Playback

After you recorded a file, you can go to this interface to playback.

On the main interface, click in the Basic pane, you can go to the playback interface. See Figure 4-11.



Figure 4-11

4.2.1 Playback Device Record

Please follow the steps listed below to search the record you want and then playback.

- 1) In Figure 4-11, click Device button on the right pane.
- 2) Check a channel (or some channels) on the device list on the top right pane.
- 3) Select record type, stream type and record start time and end time.
- 4) Click Search on the left bottom to search. You can see corresponding

date is green if there is a record on current data. You can see the corresponding dialogue box if there is no record.



5) Now you click to playback window. See Figure 4-12.



Figure 4-12

SN	ltem	Function
1	Shortcut operation column	 There are shortcut operations to export record file and snapshot. Snapshot. Snapshot. Zoom in window Close current window.
2	Playback window	Playback record
3	Mode	There are two playback mode: by time/by event.

SN	ltem	Function
4	Playback tool bar	 It is to control the playback process, audio and etc: Window sync operation button. When this function is enabled, the operation of the playback bar is for all windows. When it is in for current selected window only. It is to switch playback and pause. It is to switch playback and pause. Forward. Forward. It is to control the playback speed. It is to adjust volume.
5	Window display mode setup	It is to set window split mode. The value ranges from 1- window to 36-window.
6	Playback process bar	It is the playback time line.
7	Time clip	It is to edit the time line to export the specified records.
8	Export process	It is to export the records of the specified period.
9	Time bar control	It is to zoom in /zoom out time line.

4.2.2 Playback Local Record

Please follow the steps listed below to search the record you want and then playback.

- 6) In Figure 4-11, click Local button on the right pane.
- 7) Check a channel (or some channels) on the device list on the top right pane.
- 8) Select record type, stream type and record start time and end time.
- 9) Click Search on the left bottom to search. You can see corresponding

date is green if there is a record on current data. You can see the corresponding dialogue box if there is no record.



10) Now you click to playback window. See Figure 4-13.

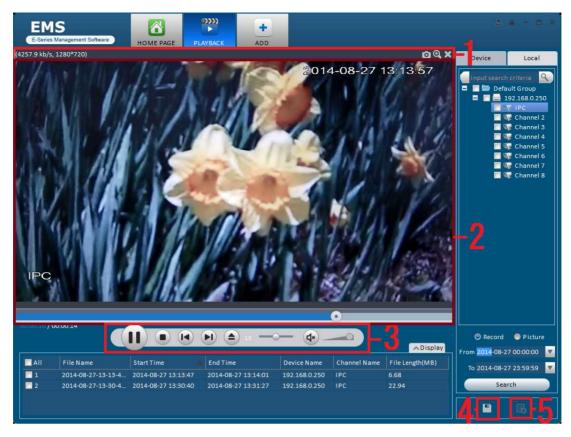


Figure 4-13

SN	ltem	Function
1	Shortcut operation column	 There are shortcut operations to export record file and snapshot. Snapshot. Snapshot. Zoom in window Close current window.
2	Playback window	Playback record

SN	Item	Function
3	Playback tool bar	 It is to control the playback process, audio and etc: Window sync operation button. When this function is enabled, the operation of the playback bar is for all windows. When it is in for current selected window only. It is to switch playback and pause. It is to switch playback and pause. Stop playback. Forward. It is to control the playback speed. It is to control the playback speed.
4	Export manager	Check the playback records and then export.
5	Export process	It is to export the records of the specified period.

4.2.3 Export

There are three ways for you to select export records.

- In Figure 4-12 (Device record interface), select periods on the time line and then click export records.
- In Figure 4-12 (Device record interface), select record type and then click to export records.
- In Figure 4-13, check the records first and then click to export records.

You can see the export interface is shown as in Figure 4-14. Select the corresponding export path and then click OK button to export.

	Exp	ort Setup	_	×
Path	oftware\EN	IS\Record\Down	Load\ Br	owse
Export Format	AV1		×.	
🔽 Export Sr	nart Player			
Free Space:	78103M	ОК	Car	ncel

Figure 4-14

4.3 Alarm Manager

If you have set an alarm scheme, you can see the corresponding alarm in the Alarm manager interface. You can refer to chapter 3.7.1 to set an alarm scheme first.

Click icon

in the basic pane, you can go to Alarm manager interface. See Figure 4-15.

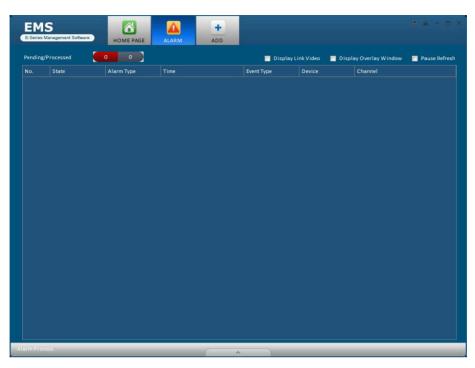


Figure 4-15

If you have set alarm activation video function in your alarm scheme setup (chapter 3.7), you can see system pops up video window when a corresponding alarm occurs. See Figure 4-16. If you check the box at the bottom of the interface to pause refresh, the new alarm activation video will not overwrite current one. Click Alarm Manager at the right bottom of the interface, system goes to the alarm manager interface for you to view the corresponding alarm record.



Figure 4-16

4.4 Log

Log interface is shown as in Figure 4-17.

Select start time/end time, and select type from the dropdown list. Click Search button, you can see the log information.

O Client Log Start Time 2014-08-27 20:04-08-27 23:59:59 ▼ See Device Log Log Type System Log ▲ All ▼ Key Words ▼ See Backup No. Time ▲ User Name Event Type Device Name Channel Name Remarks 1 20:14-08-27 10:24:13 ADMIN User Login ■	A COLUMN A COLUMN	S Management Soft		E PAGE					A = -
No. Time User Name Event Type Device Name Channel Name Remarks							2014-08-27 23:59:59		Search
2014-08-27 10:24:13 ADMIN User Login				UserName	Event Type	Device Name	Channel Name	Remarks	
		2014-08-27	7 10:24:13	ADMIN	User Login				

Figure 4-17

5 Extension

5.1 E-map

Click icon interface. You can go to the e-map interface. You can view the

device on the e-map. On the view map interface, you can zoom e-map or open video, but you can not edit it. On the Edit e-map interface, you can edit e-map, add camera and etc.

5.1.1 Add E-map

If it is your first time to use e-map, you can see an interface shown as below. See Figure 5-1.

EMS E-Series Management Software	HOME PAGE		+	A = 5 ×
		No main map, cli	ck Addt 🛛 🔶 Add Map	



Click Add map button, the interface is shown as in Figure 5-2.

Please input e-map name and then select e-map picture. You can input some reference information if necessary.

Add Map	×
Name:	
Picture:	File
Describe:	
	(Save Cancel)

Figure 5-2

After you added an e-map, the interface is shown as below. See Figure 5-3.

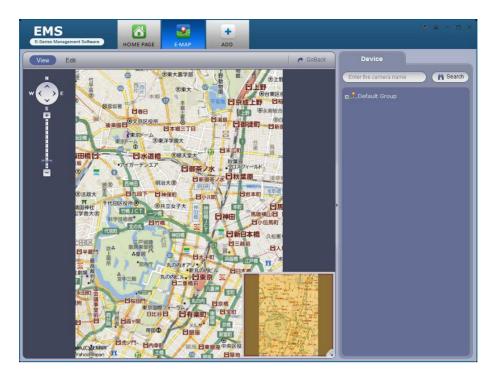


Figure 5-3

5.1.2 Edit E-map

Click Edit, you can go to the following interface. See Figure 5-4.Click Tools, you can edit emap, delete e-map, delete device, add area, modify area, delete area and etc. Drag a channel on the right pane to the e-map; you can add it to the e-map.

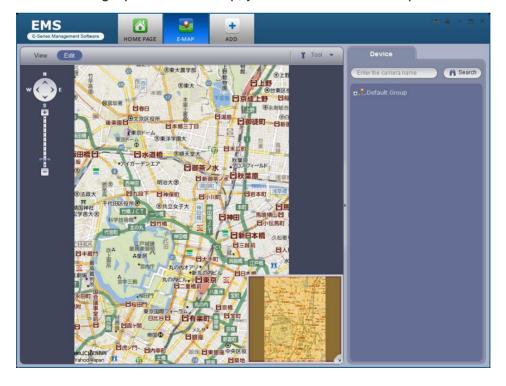
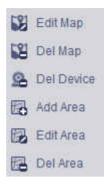


Figure 5-4

Click Tool button, you can see a function bar shown as below. See Figure 5-5.





Please refer to the following sheet for detailed information.

ltem	Function
Edit e-map	It is for you to change e-map name, picture, description
Del e-map	Delete current e-map.
Del device	Delete a device from the e-map.
Add area	Add hot zone on the e-map.
Edit area	Change hot zone map name, picture and description.
Del area	Delete corresponding hot zone.

5.1.3 Preview E-map

After you edited the e-map, you can click View button to preview. Buttons at the left top of the interface can zoom in, zoom out or move e-map. Double click a camera on the e-map, you can view video. See Figure 5-6.



Figure 5-6